

METHOD OF REDUCING THE WALL THICKNESS
OF A PTFE TUBE AND PRODUCT FORMED THEREBY

ABSTRACT OF THE DISCLOSURE:

A thin wall PTFE tube is formed from an extruded green tube. The PTFE tube includes an inner tubular surface and an opposed outer tubular surface defining a tubular wall of a first thickness. The tubular wall is compressed to uniformly reduce the wall-thickness and

5 circumferentially orient the tube. The PTFE tube is positioned over a first elongate roller with the inner tubular surface being in contact therewith. A second roller is positioned against the outer tubular surface of the PTFE tube. The pair of rollers are counter rotated so as to circumferentially compress the tubular wall between the rollers. This results in the uniform reduction in the tubular wall from the first thickness to a lesser second thickness and a

10 circumferential orientation otherwise not occurring in an extruded PTFE paste extrusion.